

Application No.: 10/705,321
Docket No.: UC0304USNA

Listing of Claims

1. (Currently Amended) A process for incorporating at least one first guest material into an organic layer comprising placing a first liquid composition over a first portion of the organic layer, wherein the first liquid composition comprises at least a first guest material and a first liquid medium, wherein the first liquid composition comes in contact with the organic layer and a substantial amount of the first guest material migrates into a first portion of the organic layer while a second portion of the organic layer is substantially free of the first guest material.
2. (Original) The process of claim 1, wherein the organic layer is a substantially solid layer before placing the first liquid composition over the organic layer.
3. (Original) The process of claim 1, wherein after placing the first liquid composition over the organic layer, substantially all of the first guest material migrates into the organic layer.
4. (Original) The process of claim 3, wherein the first guest material migrates into the organic layer at a temperature no higher than approximately 40°C.
5. (Original) The process of claim 1, further comprising forming the organic layer over a substrate, wherein placing the first liquid composition over the organic layer is performed without a well structure present over the substrate.
6. (Original) The process of claim 1, further comprising:
forming the organic layer over a substrate; and
forming a well structure over the substrate before forming the organic layer over the substrate.
7. (Currently Amended) The process of claim 1, further comprising placing a second liquid composition over a second portion of the organic layer, wherein:
the second liquid composition comprises a second guest material and a second liquid medium; and
the second guest material is different from the first guest material;
a substantial amount of the second guest material migrates into the second portion of the organic layer while a third portion of the organic layer is substantially free of the second guest material; and

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a third portion of the organic layer is substantially free of the first and second guest materials.

8. (Original) The process of claim 7, wherein the first liquid medium and the second liquid medium are a same solvent.

9. (Canceled)

10. (Original) The process of claim 1, wherein placing the first liquid composition over the organic layer is performed using a precision deposition technique.

11. (Currently Amended) A process for forming an organic layer comprising at least one guest material, wherein the process comprises:
placing a first guest material over a first portion of a substrate; and
forming the organic layer over the substrate and first guest material, wherein a substantial amount of the first guest material migrates into a first portion of the organic layer while a second portion of the organic layer is substantially free of the first guest material.

12. (Original) The process of claim 11, wherein after forming the organic layer, substantially all of the first guest material migrates into the organic layer.

13. (Currently Amended) The process of claim 11, further comprising placing a second liquid composition over a second portion of the substrate, wherein:

the second liquid composition comprises a second guest material; and

the second guest material is different from the first guest material;

the organic layer is also formed over the second portion;

a substantial amount of the second guest material migrates into the second portion of the organic layer; and

a third portion of the organic layer is substantially free of the first and second guest materials.

14. (Canceled)

15. (Canceled)

16. (Canceled)

17. (Canceled)

18. (Canceled)

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19. (Canceled)
20. (Canceled)
21. (Canceled)
22. (Canceled)
23. (Canceled)
24. (Canceled)
25. (Canceled)
26. (Canceled)
27. (Canceled)
28. (Canceled)
29. (Canceled)
30. (Canceled)
31. (Canceled)
32. (Canceled)